

an inflator housing containing pressurized medium therein;

101 a gas generator installed in the inflator housing, said gas generator having at least one gas generating chamber for storing a gas generating agent therein, the gas generating agent being a mixture of at least a fuel and an oxidizing agent for generating a predetermined amount (B) of combustion gas by combustion thereof, a molar ratio (A/B) between an amount (A moles) of the pressurized medium and the amount (B moles) of a gas generated due to combustion of the gas generating agent is between 8/2 and 1/9; and

an ignition unit connected to the gas generator and adapted to ignite the gas generating agent.

2. (Amended) A hybrid inflator according to claim 1, wherein the ratio A/B is 8/2 to 3/7.

3. (Amended) A hybrid inflator according to claim 1 or 2, wherein the gas generating agent includes a fuel and an oxidizing agent.

4. (Amended) A hybrid inflator according to claim 1 or 2, wherein the gas generating agent includes a fuel, an oxidizing agent, and a slug-forming agent.

102 8. (Twice amended) A hybrid inflator according to claim 1, wherein a weight ratio (a/b) between a weight (a) of

the pressurized medium and a weight (b) of the gas generating agent is 0.1 to 7.

B2 9. (Amended) A hybrid inflator for an inflating-type safety system of vehicles provided with an air bag, comprising:

an inflator housing containing a pressurized medium therein that includes an inert gas and no oxygen;

a gas generator installed in the inflator housing, said gas generator having at least one gas generating chamber for storing a gas generating agent therein, a molar ratio (A/B) between an amount (A moles) of the pressurized medium and an amount (B moles) of a gas generated due to combustion of the gas generating agent is between $8/2$ and $1/8$; and

an ignition unit connected to the gas generator and adapted to ignite the gas generating agent.

10. (Amended) A hybrid inflator according to claim 9, wherein the ratio A/B is $8/2$ to $3/7$.

11. (Amended) A hybrid inflator according to claim 9 or 10, wherein the gas generating agent includes a fuel and an oxidizing agent.

12. (Amended) A hybrid inflator according to claim 9 or 10, wherein the gas generating agent includes a fuel, an oxidizing agent, and a slug-forming agent.

16. (Twice amended) A hybrid inflator according to claim 9, wherein a weight ratio (a/b) between a weight (a) of the pressurized medium and a weight (b) of the gas generating agent is 0.1 to 7.

17. (Amended) A hybrid inflator for an inflating-type safety system of vehicles provided with an air bag, comprising:

an inflator housing containing a pressurized medium including an inert gas therein, the pressurized medium containing no oxygen;

a gas generating agent including a fuel and an oxidizing agent;

a gas generator installed in the inflator housing, said gas generator having at least one gas generating chamber that contains the gas generating agent; and

an ignition means chamber connected to the gas generator and adapted to ignite the gas generating agent.

18. (Amended) A hybrid inflator according to claim 17, wherein the gas generating agent includes a fuel, an oxidizing agent, and a slug-forming agent.

19. (Amended) A hybrid inflator for an inflating-type safety system of vehicles provided with an air bag, comprising:

an inflator housing containing a pressurized medium including an inert gas and no oxygen:

a gas generating agent having a pressure index of less than 0.8;

B3 a gas generator installed in the inflator housing having at least one gas generating chambers for storing a gas generating agent: and

an ignition means changer connected to the gas generator and adapted to ignite the gas generating agent.

22. (Twice amended) A hybrid inflator according to claim 1, wherein the gas generating agent is kept under a normal pressure atmosphere.

B4 23. (Twice amended) A hybrid inflator according to claim 1, wherein the gas generating agent is formed in a perforated cylindrical shape.

24. (Twice amended) An air bag apparatus, comprising:
an activating signal outputting unit that includes an impact sensor for detecting an impact and a control unit, and
a module case containing an air bag and a hybrid inflator, said hybrid inflator including,

an inflator housing containing pressurized medium therein,

a gas generator installed in the inflator housing, said gas generator having at least one gas generating chamber for storing a gas generating agent therein, the gas

generating agent being a mixture of at least a fuel and an oxidizing agent for generating a predetermined amount (B) of combustion gas by combustion thereof, a molar ratio (A/B) between the amount (B moles) of a gas generated due to combustion of the gas generating agent is between $8/2$ and $1/9$, and

an ignition unit connected to the gas generator and adapted to ignite the gas generating agent.
